

ABSTRACT

An inertial sensor with failure threshold includes a first body and a second body, which can move relative to one another and are constrained by a plurality of elastic elements, and a sample element connected between the first body and the second body and shaped so as to be subjected to a stress when the second body is outside of a relative resting position with respect to the first body. The sample element has at least one weakened region. The sensor may also include additional sample elements connected between the first and second bodies.

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